

What is claimed is:

1. A control interface for controlling CSTA protocols in a PBX switch, said control interface comprising:

5 (a) a computing platform coupled to the PBX switch;
and

(b) component based interface objects running on
said computing platform and defining
10 properties, methods, and events, said
properties, methods and events being mapped to
automatically control common paradigms.

2. A control interface according to claim 1, wherein
15 said common paradigms include invoke ID generation,
invoke ID timing, send heartbeat, reply to heartbeat.

3. A control interface according to claim 1, wherein
said paradigms are configurable.

20 4. A control interface according to claim 1, wherein
said properties, methods and events being mapped to
control substantially every event and service of said PBX
switch.

25 5. A control interface according to claim 1, wherein
said component based interface objects is ActiveX.

6. A control interface according to claim 5, wherein
ActiveX properties are mapped to session configuration.

5 7. A control interface according to claim 5, wherein
ActiveX includes property pages and said property pages
are mapped to session configuration.

8. A control interface according to claim 5, wherein
10 ActiveX methods and events are mapped to startup and
teardown a connection to the PBX switch.

9. A control interface according to claim 1, wherein
substantially all CSTA and private data fields are
15 supported.

10. A control interface according to claim 1, wherein
invoke ID generation is automatic and configurable.

20 11. A control interface according to claim 1, wherein
invoke ID timing is automatic and configurable.

12. A control interface according to claim 1, wherein:
heartbeat messages and replies are automatically
25 generated.

13. A control interface according to claim 12, wherein
said heartbeat messages and replies are configurable.

14. A control interface according to claim 1, wherein statuses and errors are automatically logged.

15. A control interface according to claim 14, wherein
5 said statuses and errors are viewable via ActiveX property pages.

16. A method for controlling CSTA protocols in a PBX switch, said method comprising the steps of:

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(a) coupling a computing platform to the PBX switch; and

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(b) running component based interface objects on the computing platform , wherein the component based interface objects define properties, methods, and events, and said properties, methods and events are mapped to automatically control common paradigms.

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17. A method according to claim 16, wherein said common paradigms include invoke ID generation, invoke ID timing, send heartbeat, reply to heartbeat.

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18. A method according to claim 16, wherein said paradigms are configurable.

19. A method according to claim 16, wherein said properties, methods and events being mapped to control substantially every event and service of said PBX switch.

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20. A method according to claim 16, wherein said component based interface objects is ActiveX.

21. A method according to claim 20, wherein ActiveX properties are mapped to session configuration.

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22. A method according to claim 20, wherein ActiveX includes property pages and said property pages are mapped to session configuration.

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23. A method according to claim 20, wherein ActiveX methods and events are mapped to startup and teardown a connection to the PBX switch.

24. A method according to claim 16, wherein substantially all CSTA and private data fields are supported.

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25. A method according to claim 16, wherein invoke ID generation is automatic and configurable.

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26. A method according to claim 16, wherein invoke ID timing is automatic and configurable.

